

FIG.2

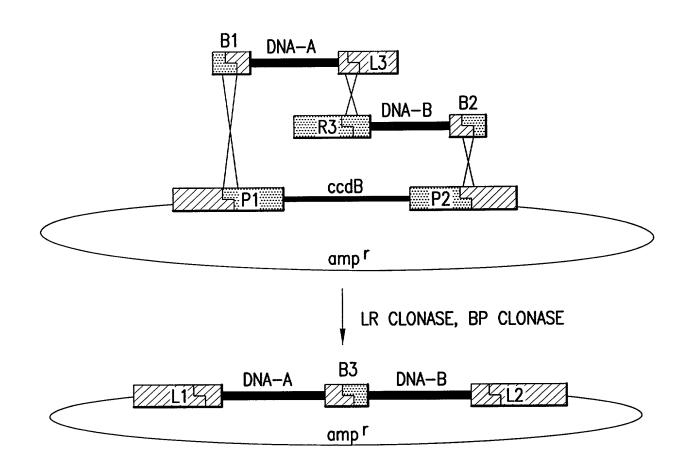


FIG.3

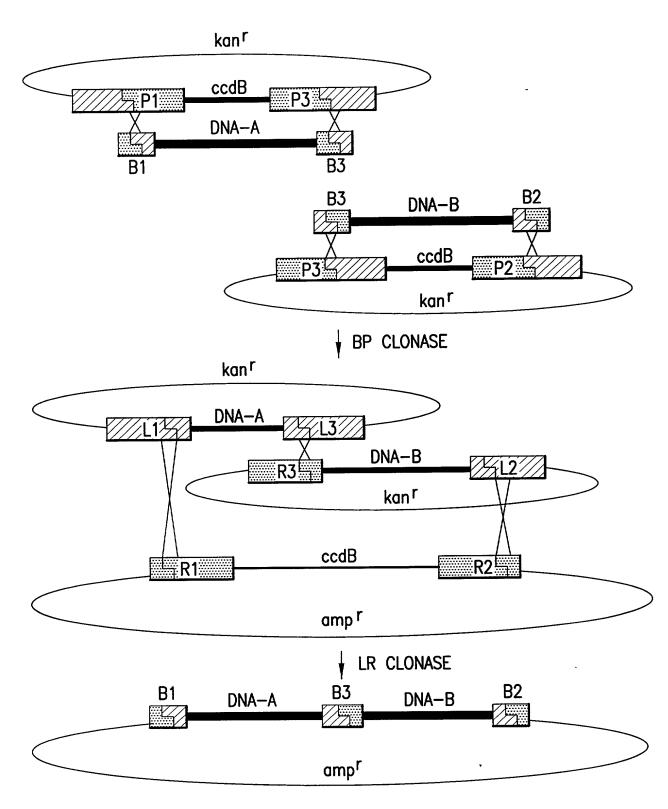


FIG.4

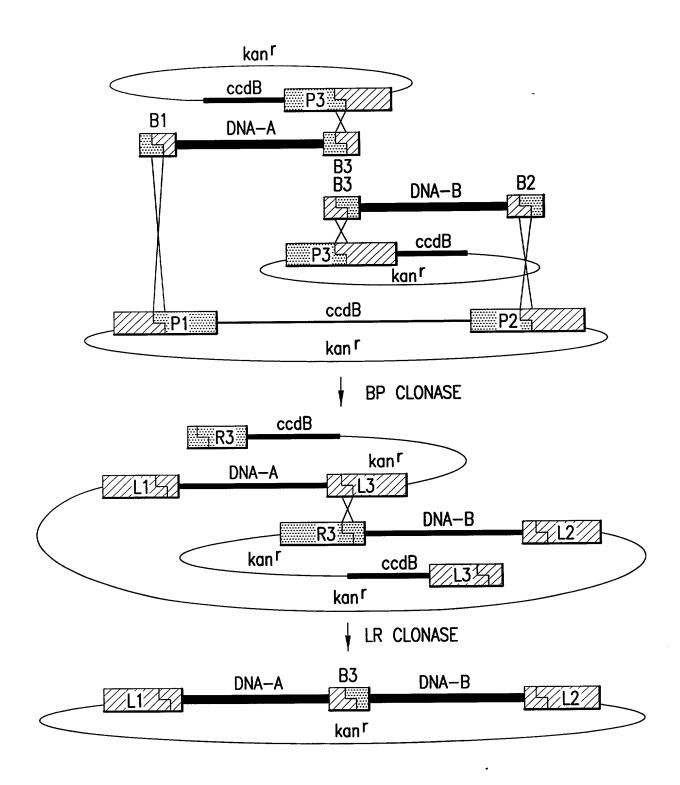


FIG.5

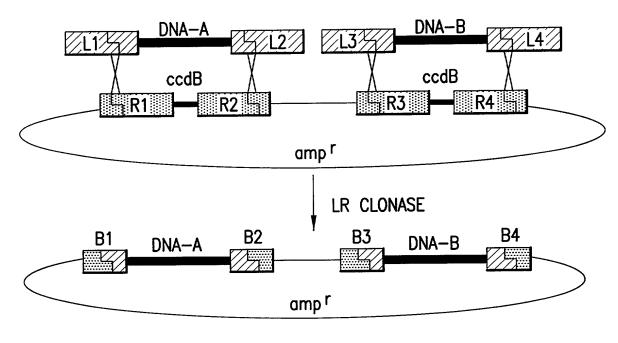


FIG.6

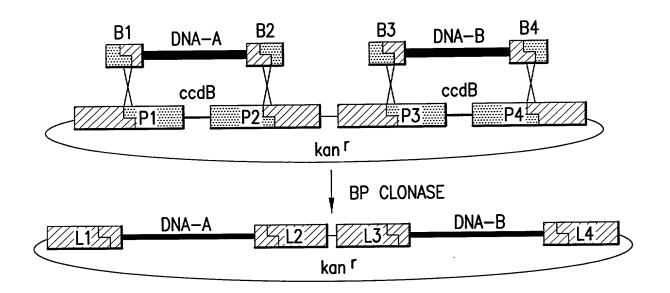


FIG.7

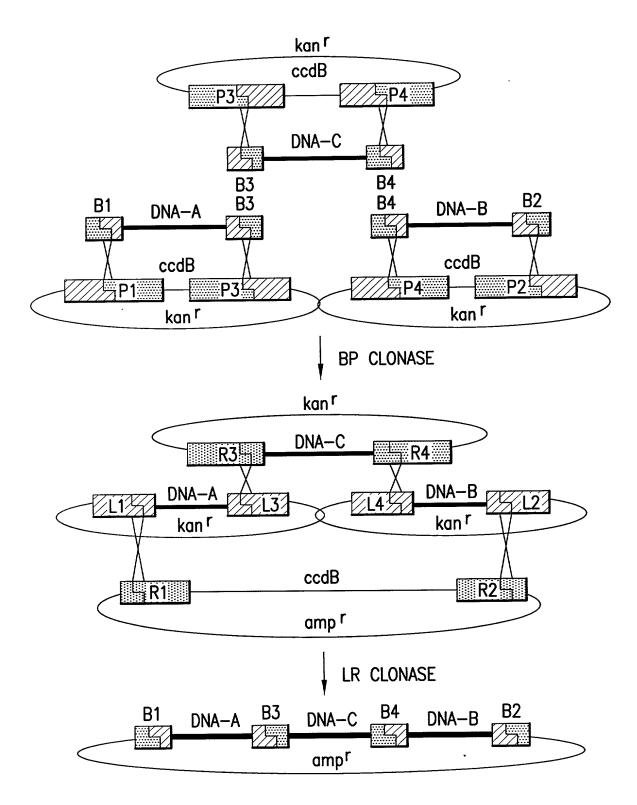


FIG.8

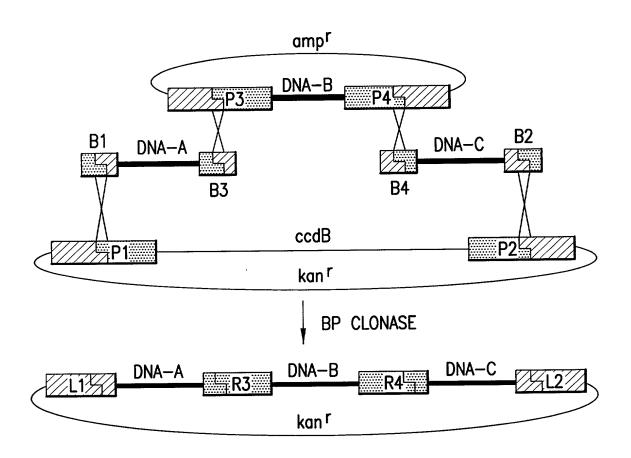


FIG.9

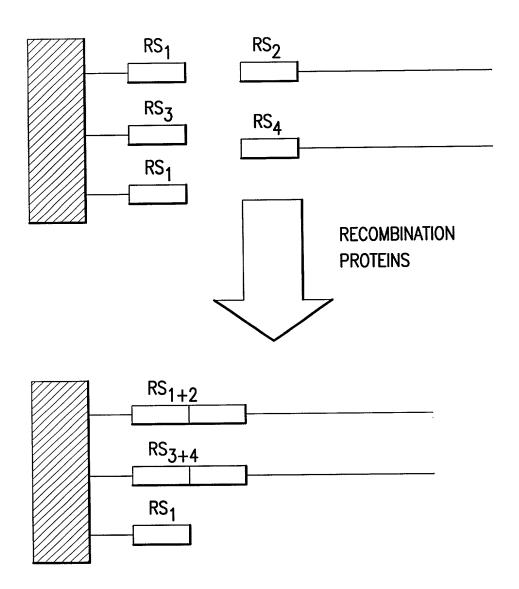


FIG.10

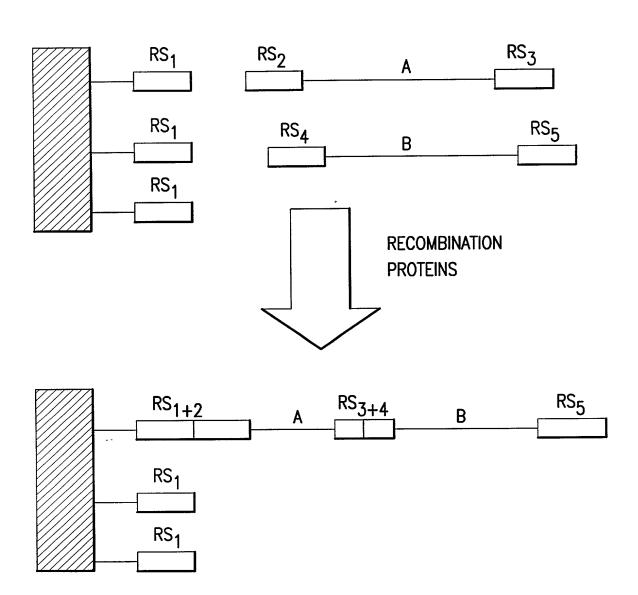


FIG.11

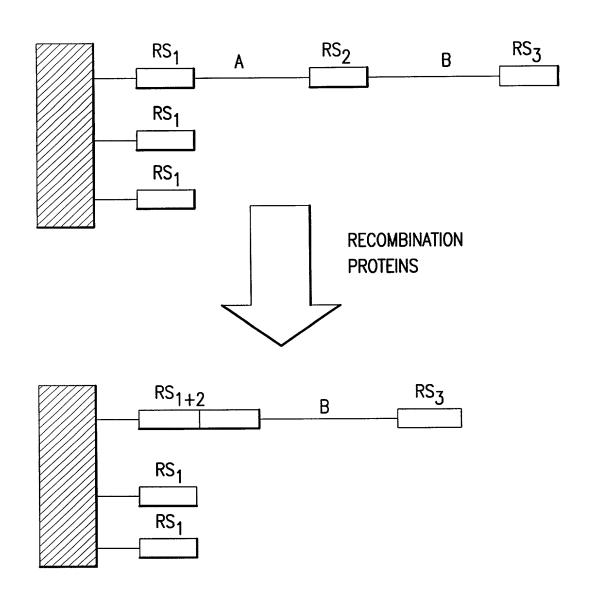


FIG.12

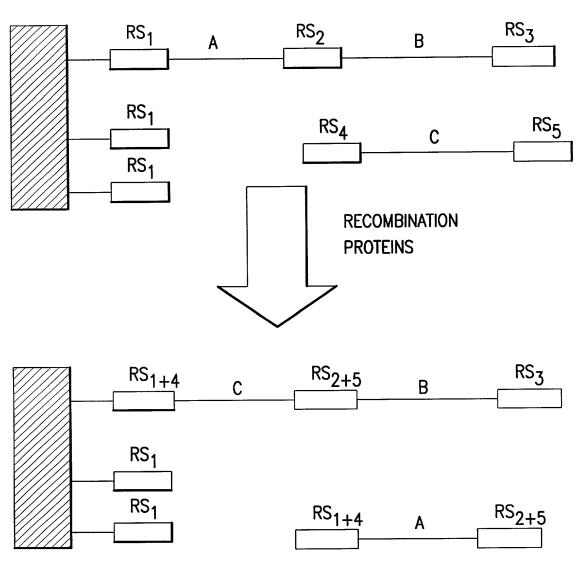
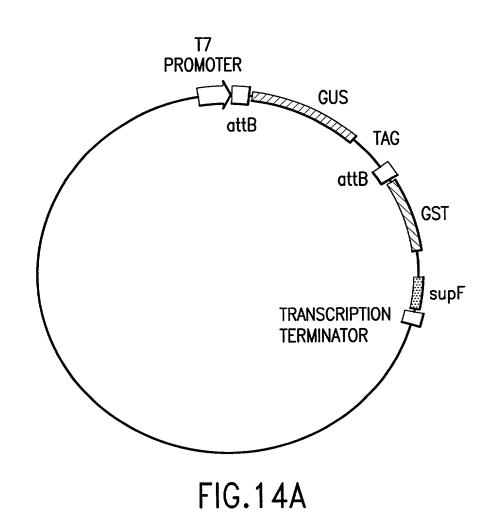
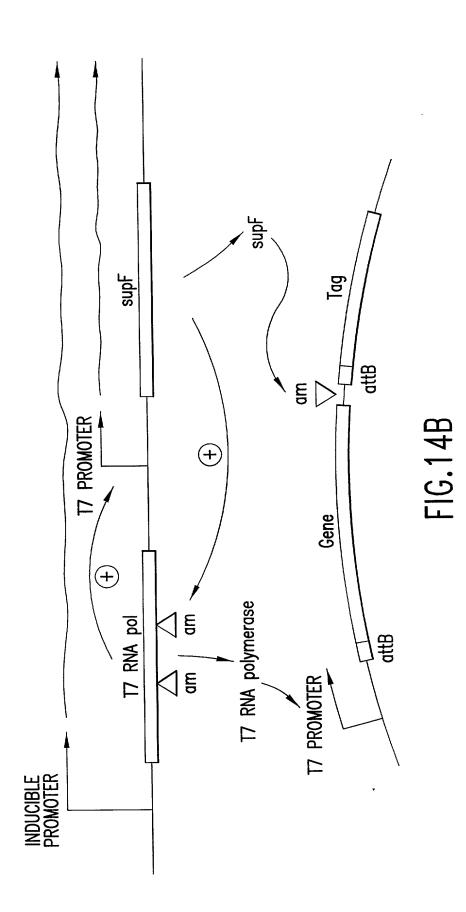
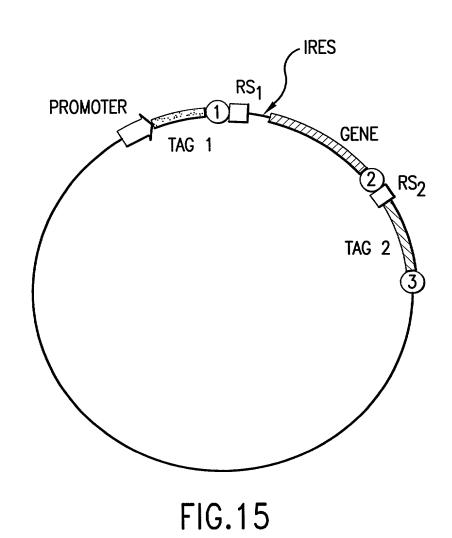
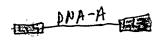


FIG.13

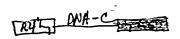




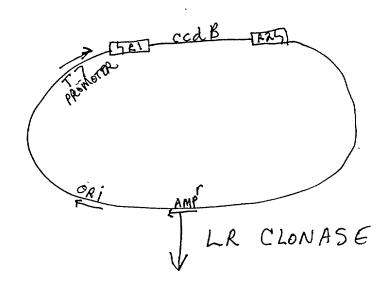


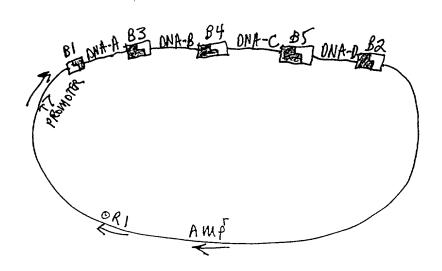






ASS DNA-D





The second secon

Cloning Light

SD luxD T7

SD luxB T7

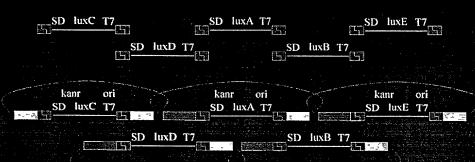
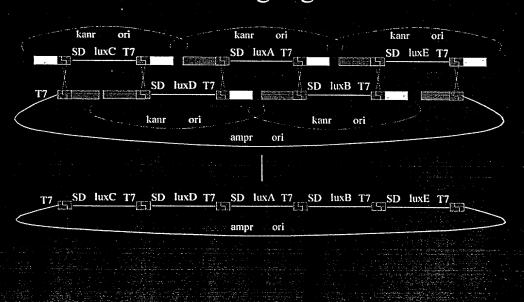


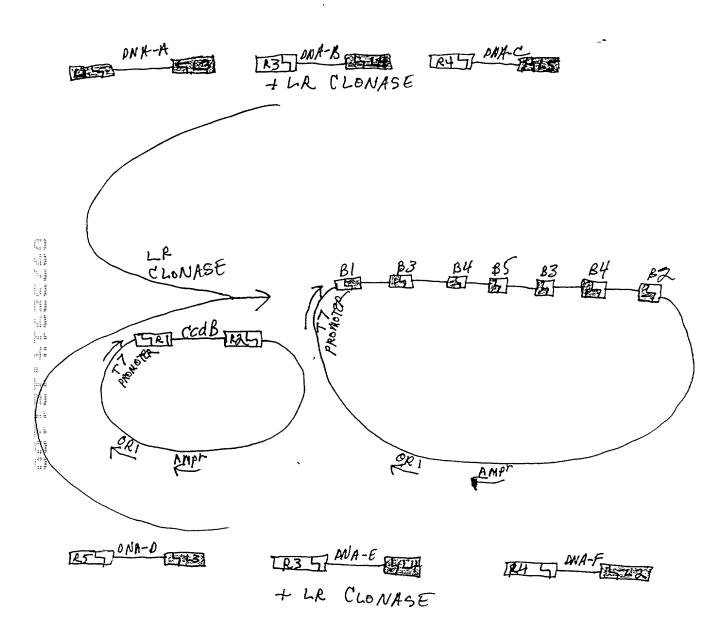
FIGURE 17B

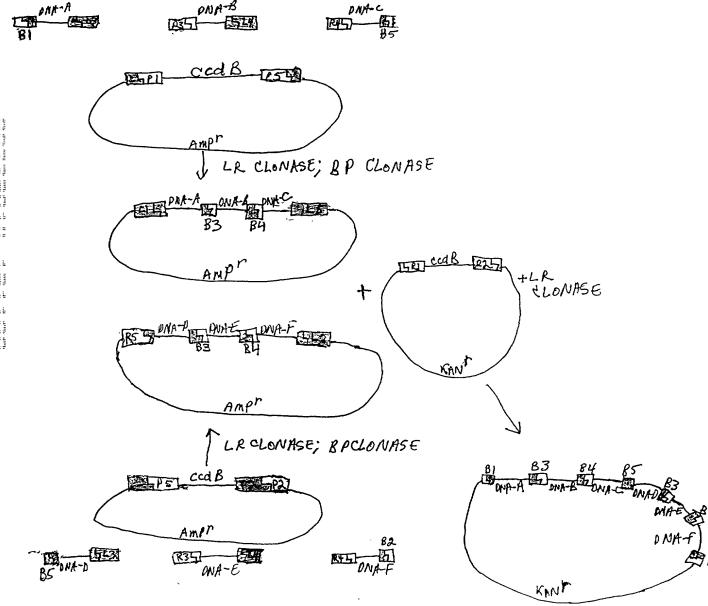
Cloning Light



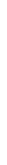
2 (2.1) (2.1

FIGURE 18



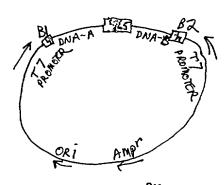


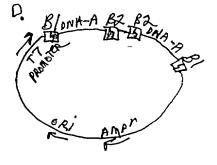
The state of the s

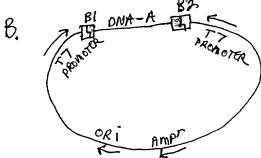


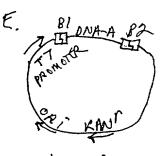
N. Year Ame And

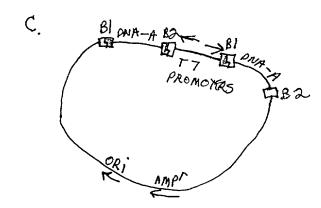
The state of



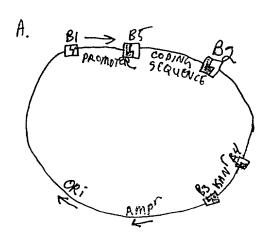


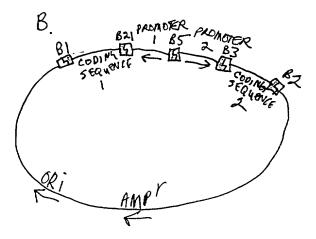




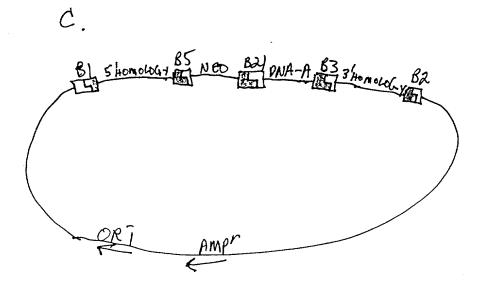


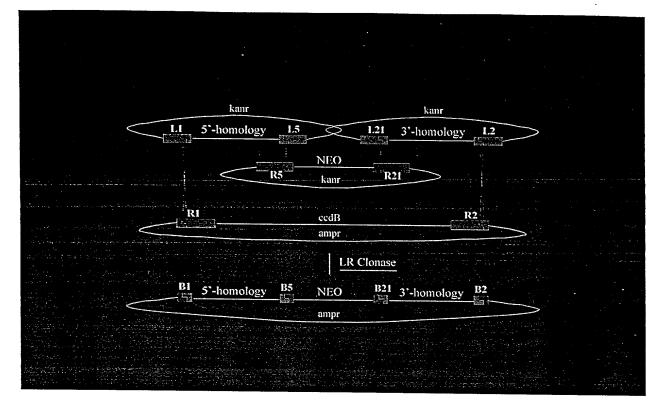






A hard three they have their their





FIGUR 22 B

The second secon

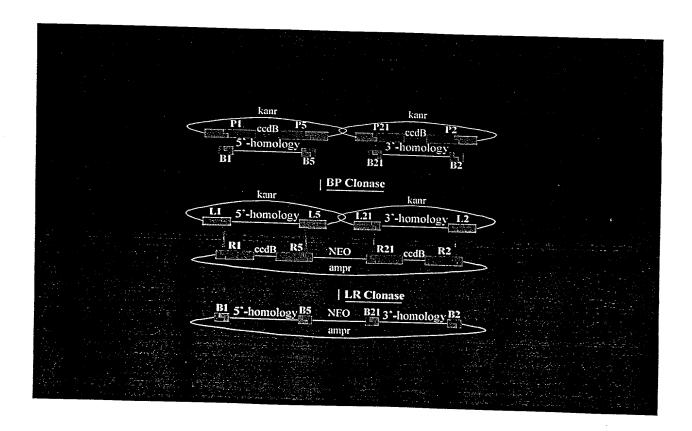


FIGURE 23

mRNA Random-primed 1st strand synthesis | Random-primed PCR I split into n reactions | PCR with primers with random 3' ends, attB sites on 5' ends $B_i = B_{i-1}$ Size fractionate, e.g. by gel purification, to 50-60 6p I close into Entry rectors | Pool Entry dones | Clone concatamers

Sequence concetomer

FIGURE 24A

attB0	AGCCTGCTTT TTTATAC TAACTTGAGC (SEQ ID NO:1) TCGGACGAAAAATATGATTGAACTCG
attP0	GTTCAGCTTT <u>TTTATAC</u> TAAGTTGGCA (SEQ ID NO:2) CAAGTCGAAA AAATATG ATTCAACCGT
attL0	AGCCTGCTTT <u>TTTATAC</u> TAAGTTGGCA (SEQ ID NO:3) TCGGACGAAAAATATGATTCAACCGT
attR0	GTTCAGCTTT TTTATAC TAACTTGAGC (SEQ ID NO:4) CAAGTCGAAA AAATATG ATTGAACTCG
attB1	AGCCTGCTTT TTTGTAC AAACTTGT (SEQ ID NO:5) TCGGACGAAA AAATATG TTTGAACA
attP1	GTTCAGCTTT <u>TTTGTAC</u> AAAGTTGGCA (SEQ ID NO:6) CAAGTCGAAA AAACATG TTTCAACCGT
attL1	AGCCTGCTTT <u>TTTGTAC</u> AAAGTTGGCA (SEQ ID NO:7) TCGGACGAAA AAACATG TTTCAACCGT
attR1	GTTCAGCTTT <u>TTTGTAC</u> AAACTTGT (SEQ ID NO:8) CAAGTCGAAA AAACATG TTTGAACA
attB2	ACCCAGCTTT <u>CTTGTAC</u> AAAGTGGT (SEQ ID NO:9) TGGGTCGAAA GAATATG TTTCACCA
attP2	GTTCAGCTTT <u>CTTGTAC</u> AAAGTTGGCA (SEQ ID NO:10) CAAGTCGAAA GAACATG TTTCAACCGT
attL2	ACCCAGCTTT CTTGTAC AAAGTTGGCA (SEQ ID NO:11) TGGGTCGAAA GAACATG TTTCAACCGT
attR2	GTTCAGCTTT <u>CTTGTAC</u> AAAGTGGT (SEQ ID NO:12) CAAGTCGAAA GAACATG TTTGACCA
attB5	CAACTTT <u>ATTATAC</u> AAAGTTGT (SEQ ID NO:13) GTTGAAA TAATATG TTTCAACA
attP5	GTTCAACTTT <u>ATTATAC</u> AAAGTTGGCA (SEQ ID NO:14) CAAGTTGAAA TAATATG TTTCAACCGT

FIGURE 24B

attL5	CAACTTTATTACAAAGTTGGCA (SEQ ID NO:15) GTTGAAATATGTTTCAACCGT
attR5	GTTCAACTTT <u>ATTATAC</u> AAAGTTGT (SEQ ID NO:16) CAAGTTGAAA TAATATG TTTCAACA
attB11	CAACTTT <u>TCTATAC</u> AAAGTTGT (SEQ ID NO:17) GTTGAAA AGATATG TTTCAACA
attP11	GTTCAACTTT <u>TCTATAC</u> AAAGTTGGCA (SEQ ID NO:18) CAAGTTGAAA AGATATG TTTCAACCGT
attL11	CAACTTT <u>TCTATAC</u> AAAGTTGGCA (SEQ ID NO:19) GTTGAAA AGATATG TTTCAACCGT
attR11	GTTCAACTTT <u>TCTATAC</u> AAAGTTGT (SEQ ID NO:20) CAAGTTGAAA AGATATG TTTCAACA
attB17	CAACTTT <u>TGTATAC</u> AAAGTTGT (SEQ ID NO:21) GTTGAAA ACATATG TTTCAACA
attP17	GTTCAACTTT <u>TGTATAC</u> AAAGTTGGCA (SEQ ID NO:22) CAAGTTGAAA ACATATG TTTCAACCGT
attL17	CAACTTT <u>TGTATAC</u> AAAGTTGGCA (SEQ ID NO:23) GTTGAAA ACATATG TTTCAACCGT
attR17	GTTCAACTTT TGTATAC AAAGTTGT (SEQ ID NO:24) CAAGTTGAAA ACATATG TTTCAACA
<i>att</i> B19	CAACTTT TTCGTAC AAAGTTGT (SEQ ID NO:25) GTTGAAA AAGCATG TTTCAACA
attP19	GTTCAACTTT TTCGTAC AAAGTTGGCA (SEQ ID NO:26) CAAGTTGAAA AAGCATG TTTCAACCGT
attL19	CAACTTT <u>TTCGTAC</u> AAAGTTGGCA (SEQ ID NO:27) GTTGAAA AAGCATG TTTCAACCGT
attR19	GTTCAACTTT TTCGTAC AAAGTTGT (SEQ ID NO:28) CAAGTTGAAA AAGCATG TTTCAACA

FIGURE 24C

attB20	CAACTTT TTGGTAC AAAGTTGT (SEQ ID NO:29) GTTGAAA AACCATG TTTCAACA
attP20	GTTCAACTTT <u>TTGGTAC</u> AAAGTTGGCA (SEQ ID NO:30) CAAGTTGAAA AACCATG TTTCAACCGT
attL20	CAACTTT <u>TTGGTAC</u> AAAGTTGGCA (SEQ ID NO:31) GTTGAAA AACCATG TTTCAACCGT
attR20	GTTCAACTTT <u>TTGGTAC</u> AAAGTTGT (SEQ ID NO:32) CAAGTTGAAA AACCATG TTTCAACA
attB21	CAACTTT TTAATAC AAAGTTGT (SEQ ID NO:33) GTTGAAA AATTATG TTTCAACA
attP21	GTTCAACTTT <u>TTAATAC</u> AAAGTTGGCA (SEQ ID NO:34) CAAGTTGAAA AATTATG TTTCAACCGT
attL21	CAACTTT <u>TTAATAC</u> AAAGTTGGCA (SEQ ID NO:35) GTTGAAA AATTATG TTTCAACCGT
attR21	GTTCAACTTT TTAATAC AAAGTTGT (SEQ ID NO:36) CAAGTTGAAA AATTATG TTTCAACA

Vector Assembly Using Modular Vector Element Entry Clones

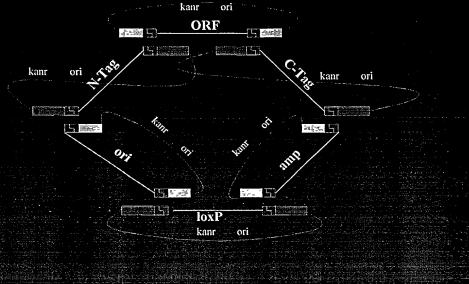


FIGURE 25B

Vector Assembly Using Modular Vector Element Entry Clones

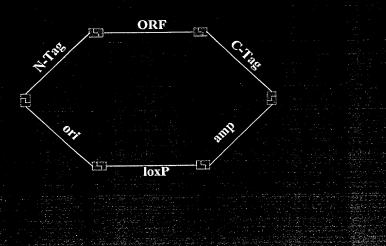


FIGURE 26 A

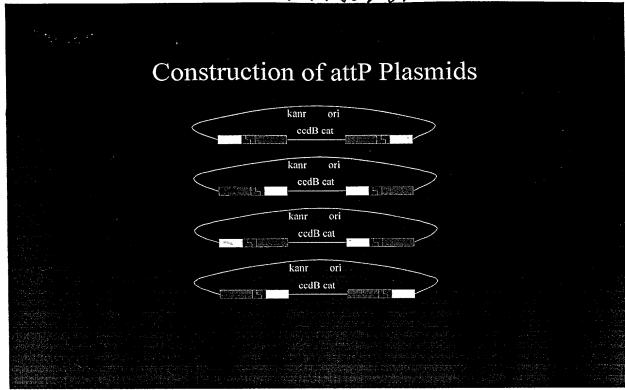
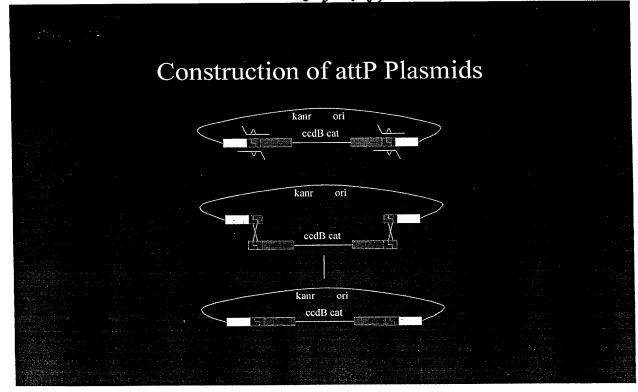
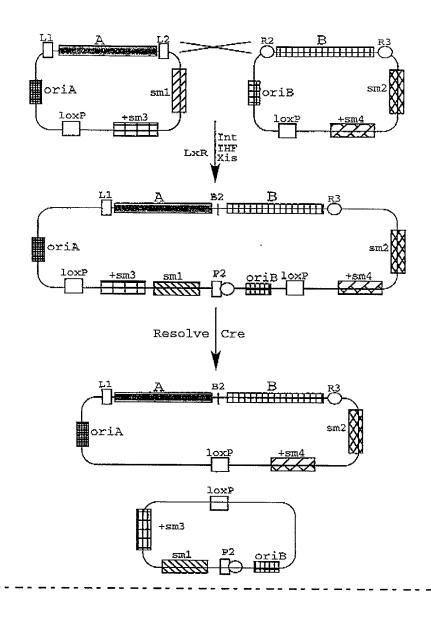


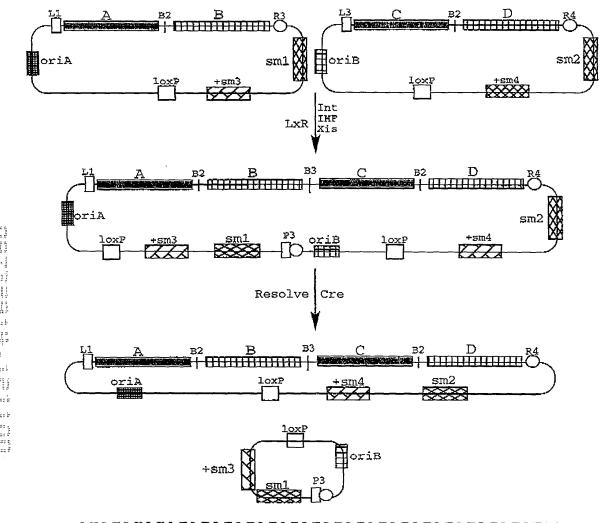
FIGURE 26B





Transform host that will support replication of oriA but not oriB and moreover, is sensitive to $\pm sm3$ but resistant to $\pm sm4$.

FIGURE 27A



Transform host that will support replication of oriA but not oriB and moreover, is sensitive to +sm3 but resistant to +sm4.

FIGURE 27B